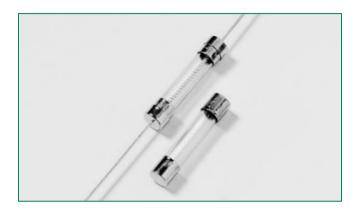


RoHS

Po

388 Series Lead-Free 3AG, METI B Fuse





Agency Approvals

Agency	Agency File Number	Ampere Range		
PSE	NBK131107-JP1021A NBK010207- JP1021A/B/C/D	1A - 30A		
®	SU05001-8001 SU05001-7001/2/3/4	3A - 6A 7A/10A - 30A		
Œ		1A - 30A		

Description

The Littelfuse 388 Series is a 3AG size fuse that solves a broad range of application requirements while offering reliable performance and cost-effective circuit protection.

Features

- Designed to Japanese Standard JIS C6575
- RoHS compliant and Lead-free
- Available in cartridge and axial lead form and various forming demensions

Applications

Used as supplementary protection in appliance or utilization equipment to provide individual protection for components or internal circuits.

Electrical Characteristics for Series

% of Ampere Rating	Opening Time	
130	1 Hour, Minimum	
160	1 hour, Maximum	
200	120 seonds, Maximum	

Electrical Characteristic Specifications by Item

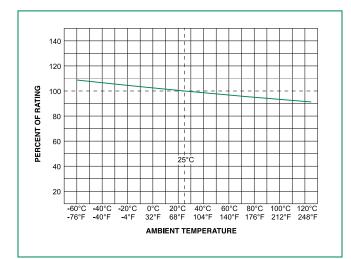
			- ··	Nominal	Nominal	Agency Approvals		
Amp Code	Amp Rating	Voltage Rating	Breaking Capacity	Resistance Cold Ohms (ohms)	Melting 2T (A2Sec.)	PS	®	Œ
001.	1	250		0.1651	0.800	х		×
01.5	1.5	250		0.0845	2.680	×		×
002.	2	250		0.0522	7.200	х		×
02.5	2.5	250		0.0375	9.540	х		×
003.	3	250		0.0313	22.10	х	×	×
004.	4	250	100A @ 250Vac	0.0239	28.50	х	×	×
005.	5	250		0.0184	66.10	×	×	×
006.	6	250		0.0140	116.0	×	×	×
007.	7	250		0.0127	118.0	Х	×	×
008.	8	250		0.0109	166.0	х		×
009.	9	250		0.0082	298.0	х		×
010.	10	250		0.0072	234.6	×	×	×
012.	12	250		0.0052	490.5	×	×	×
015.	15	250		0.0042	1029	Х	X	х
020.	20	250		0.0029	2041	Х	X	Х
025.	25	250		0.0019	3717	Х	х	х
030.	30	250		0.0013	7531	×	×	×

¹ Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered. p = pending

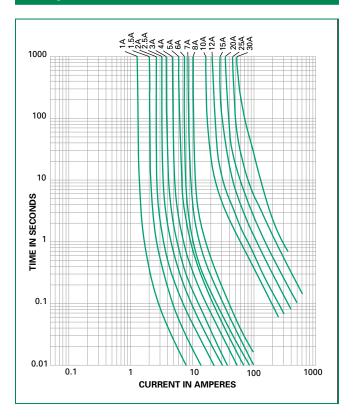
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.



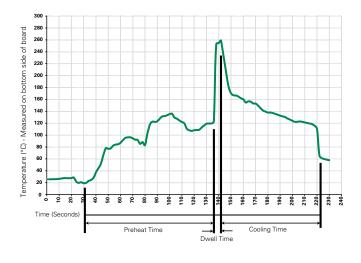
Temperature Rerating Curve



Average Time Current Curves



Soldering Parameters - Wave Soldering



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation		
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)		
Temperature Minimum:	100° C		
Temperature Maximum:	150° C		
Preheat Time:	60-180 seconds		
Solder Pot Temperature:	260° C Maximum		
Solder DwellTime:	2-5 seconds		

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350° C +/- 5° C Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.



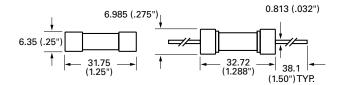
Product Characteristics

Materials	Body: Glass End Caps: Nickel–plated brass Leads: Tin–plated Copper			
Terminal Strength	MIL-STD-202G, Method 211A, Test Condition A			
Solderability	Reference IEC 60127 Second Edition 2003-2001 Annex A			
Product Marking	Cap1: Brand logo, current and voltage ratings Cap2: Series and agency approval marks			

Operating Temperature	-55°C to +125°C (consider de-rating)		
Thermal Shock	MIL-STD-202G Method 107 G, Test conditon B:(5 cycles - 65°C to 125°C)		
Vibration	MIL-STD-202G, Method 201A		
Humidity	MIL-STD-202G, Method 103B, Test Condition A: High RH (95%) and Elevated temperature (40°C) for 240 hours		
Salt Spray	MIL-STD-202G, Method 101D, Test Condition B		

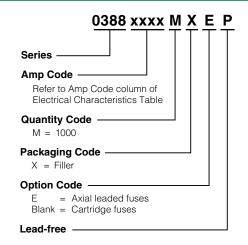
Dimensions (mm)

388 000P **Series 388** 000EP **Series**



Axial Lead Material: Tin coated copper.

Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Reel Size		
388 Series						
Bulk	N/A	1000	MX	N/A		
Bulk	N/A	1000	MXE	N/A		